

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085600.D
 Acq On : 20 Mar 2016 6:12
 Operator : UM/SJ
 Sample : H1804-09
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-7A

Quant Time: Mar 21 00:19:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	153286	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	653899	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	276037	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	538142	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	335525	20.00	ng	-0.01
86) Perylene-d12	15.43	264	297017	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	859971	94.23	ng	0.01
7) Phenol-d6	6.49	99	1186793	101.40	ng	0.00
23) Nitrobenzene-d5	7.42	82	785403	69.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	346441	128.12	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1274580	76.90	ng	-0.01
78) Terphenyl-d14	12.96	244	1234318	88.52	ng	0.00

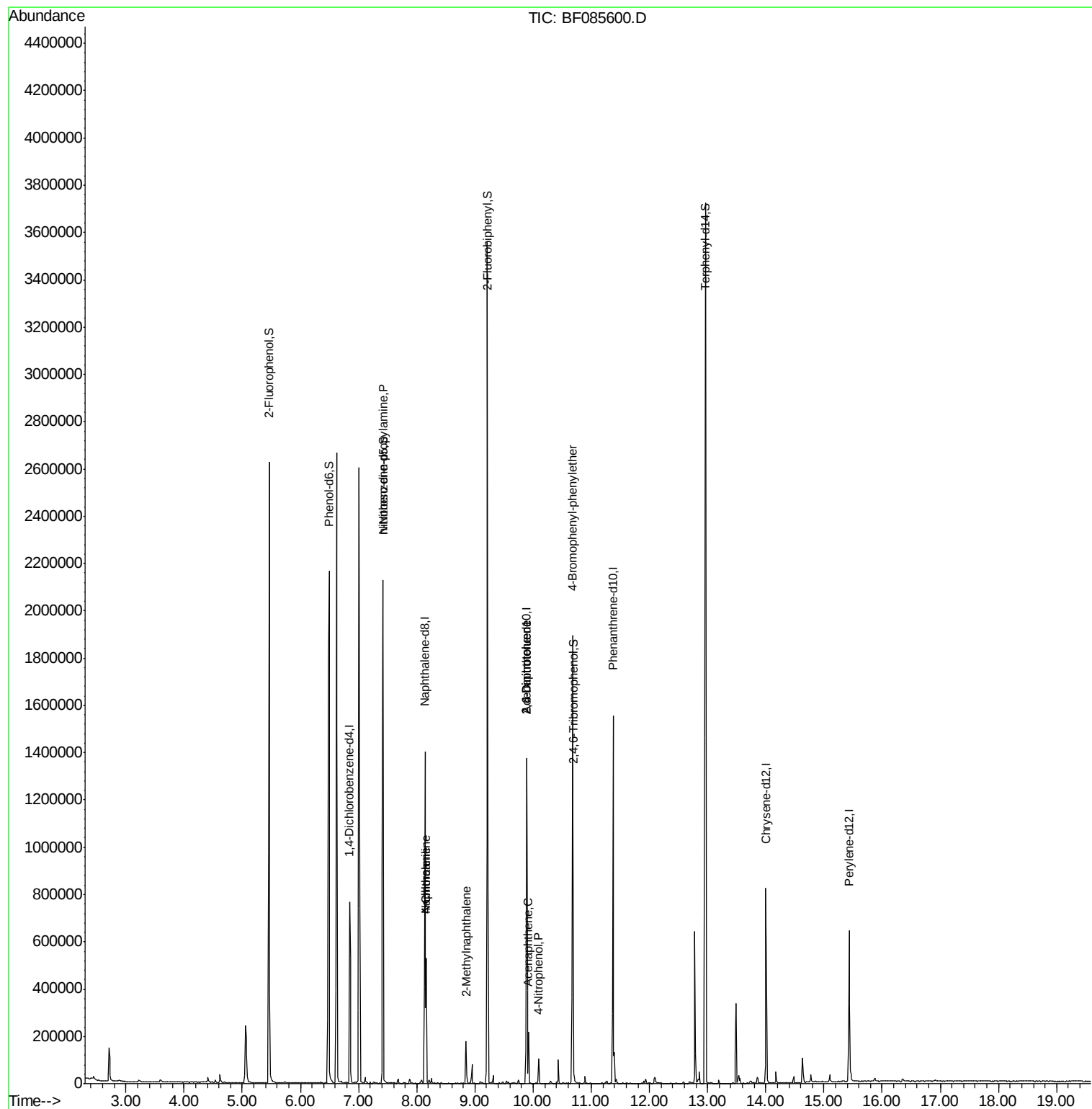
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	103886	14.86	ng	# 77
31) Naphthalene	8.16	128	292081	8.85	ng	98
33) 4-Chloroaniline	8.16	127	38041	2.81	ng	# 38
37) 2-Methylnaphthalene	8.85	142	48336	2.40	ng	98
50) 2,6-Dinitrotoluene	9.89	165	35758	8.13	ng	# 19
51) Acenaphthene	9.92	154	47467	2.69	ng	98
55) 4-Nitrophenol	10.09	139	16233	3.81	ng	# 10
56) 2,4-Dinitrotoluene	9.89	165	35751	6.21	ng	# 37
66) 4-Bromophenyl-phenylether	10.68	248	20506	3.81	ng	# 1

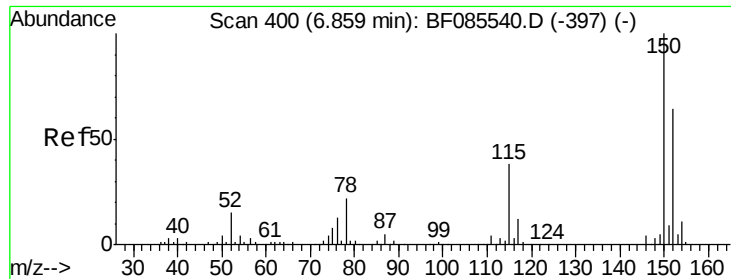
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A

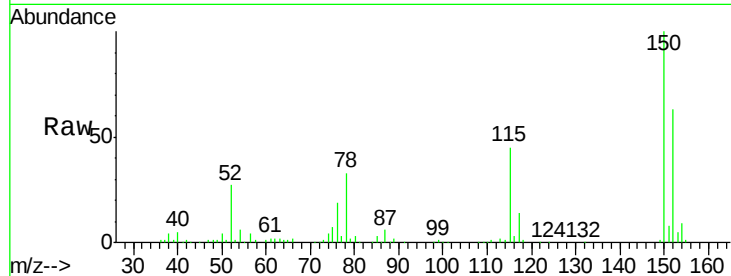
Tgt Ion:152 Resp: 153286

Ion Ratio Lower Upper

152 100

150 159.7 124.2 186.2

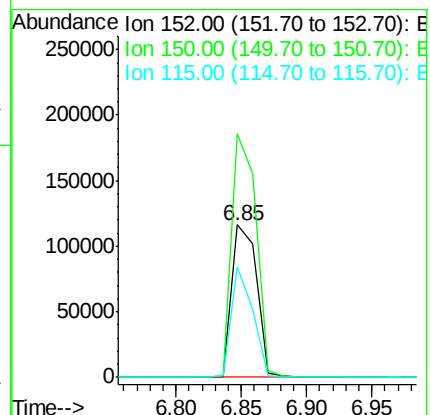
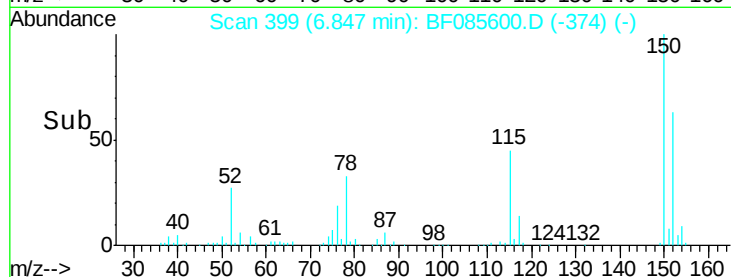
115 72.3 47.0 70.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 94.23 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

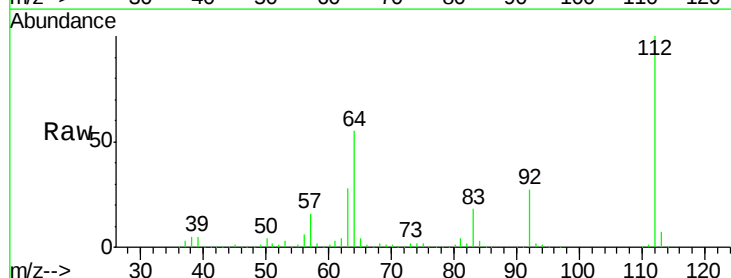
Tgt Ion:112 Resp: 859971

Ion Ratio Lower Upper

112 100

64 55.0 39.9 59.9

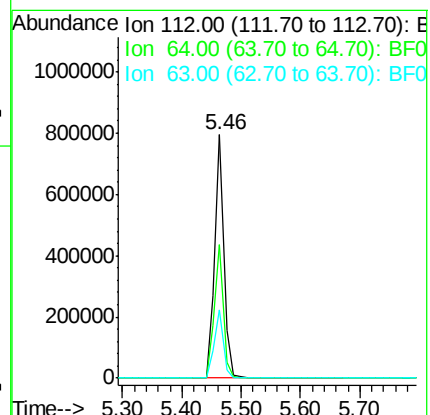
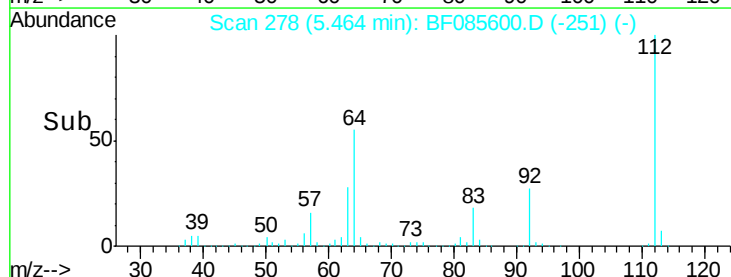
63 28.0 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.40 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A

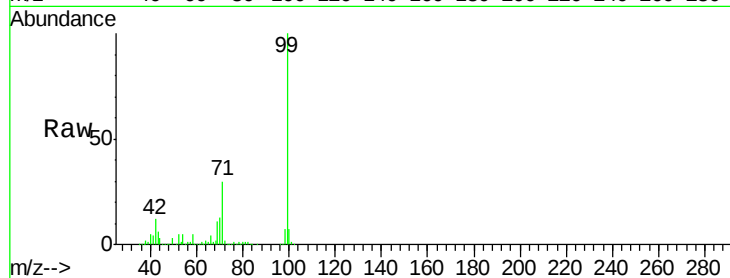
Tgt Ion: 99 Resp: 1186793

Ion Ratio Lower Upper

99 100

42 12.2 11.1 16.7

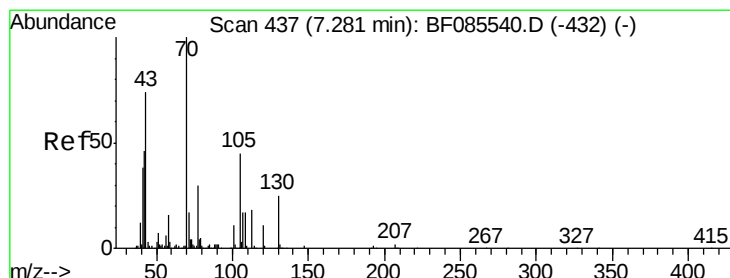
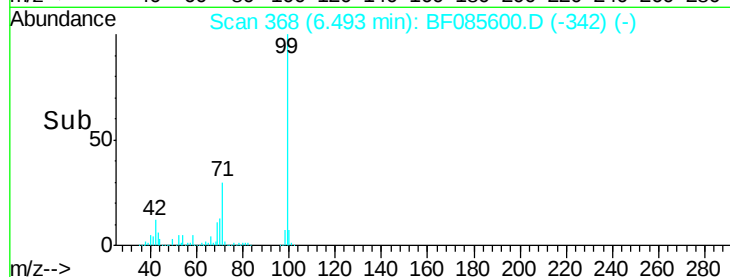
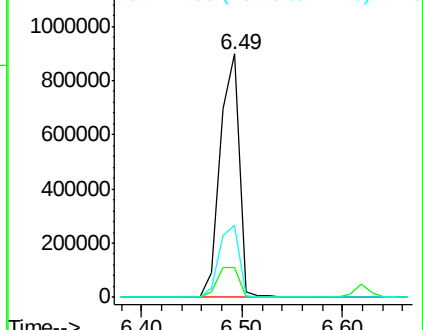
71 29.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.86 ng

RT: 7.42 min Scan# 449

Delta R.T. 0.14 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Tgt Ion: 70 Resp: 103886

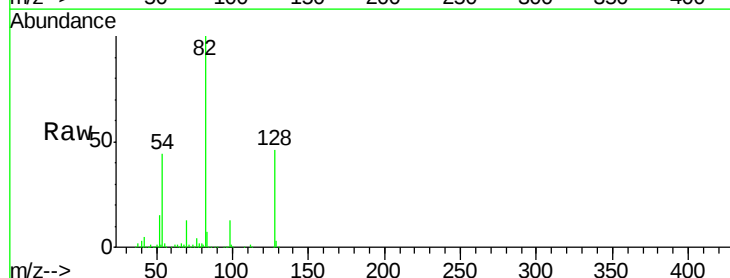
Ion Ratio Lower Upper

70 100

42 40.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

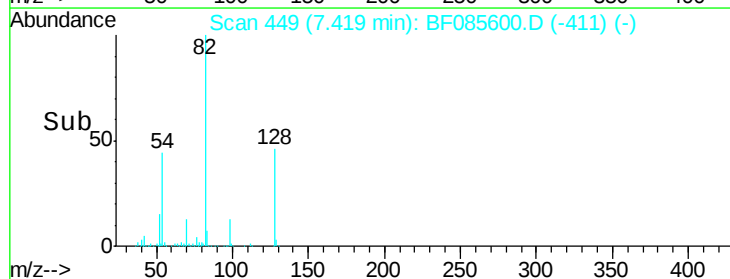
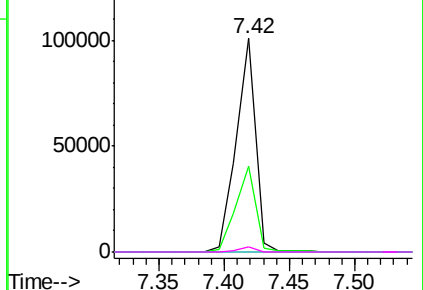


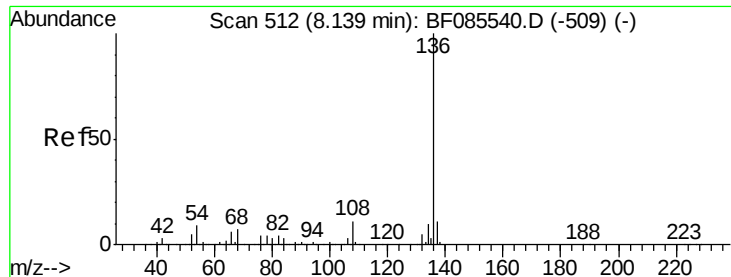
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. -0.00 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A

Tgt Ion:136 Resp: 653899

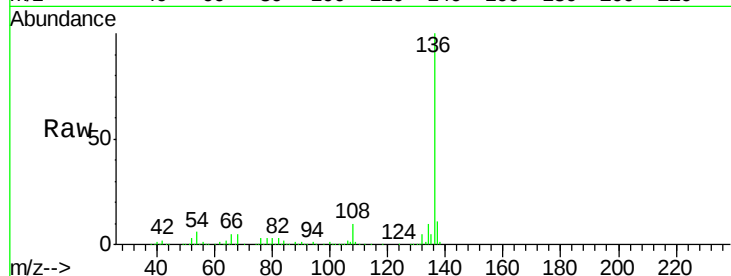
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.0 7.4 11.0#

68 5.2 5.8 8.8#

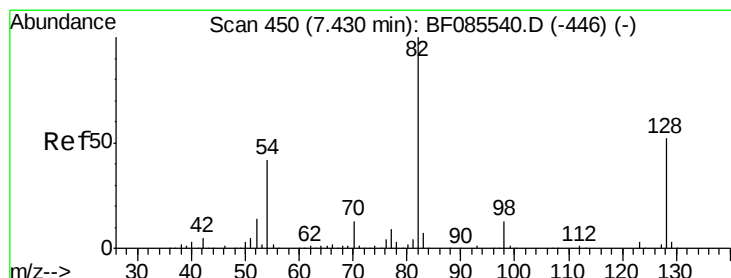
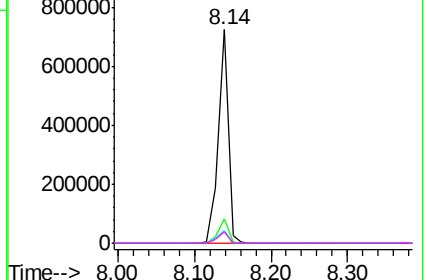
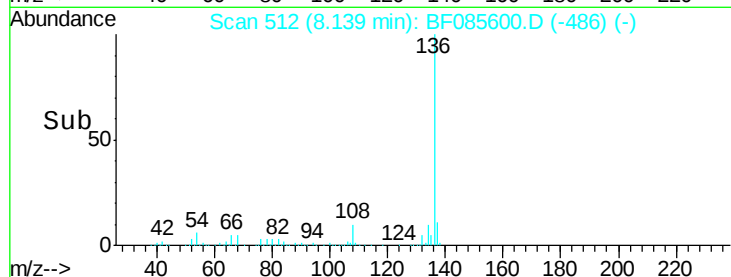


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 69.72 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

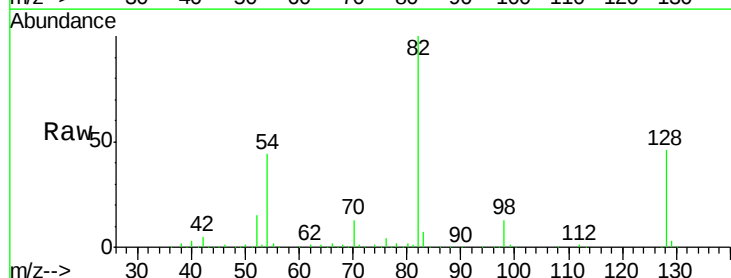
Tgt Ion: 82 Resp: 785403

Ion Ratio Lower Upper

82 100

128 45.9 41.8 62.8

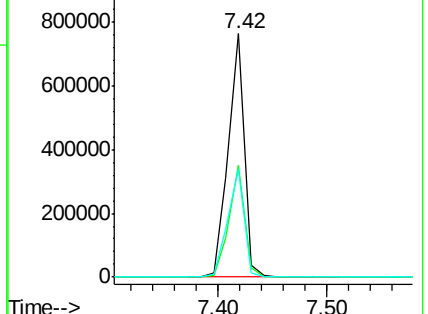
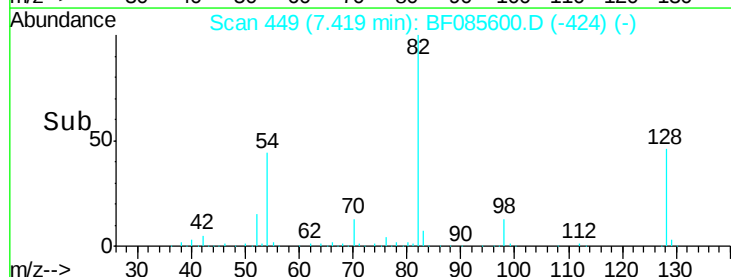
54 44.5 33.4 50.0

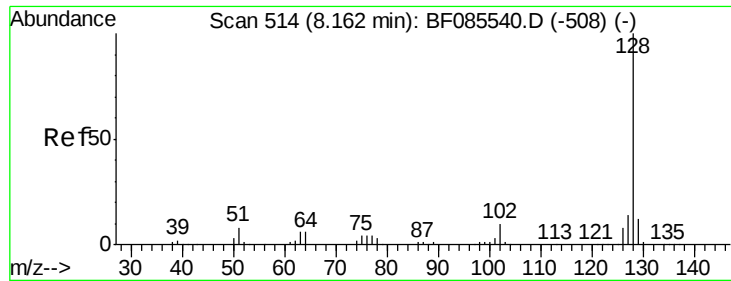


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

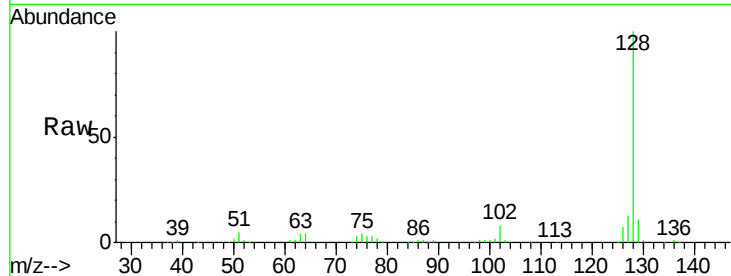




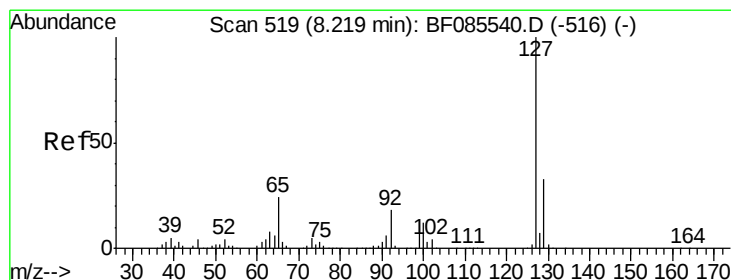
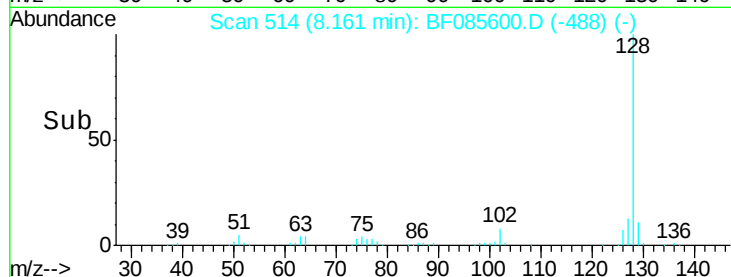
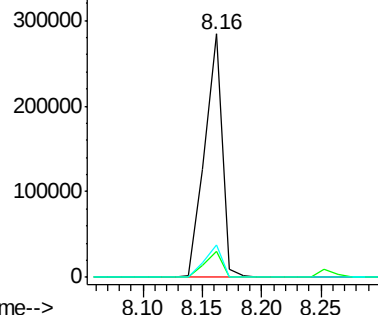
#31
Naphthalene
Concen: 8.85 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.00 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-7A

Tgt Ion:128 Resp: 292081
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 13.2 11.0 16.6

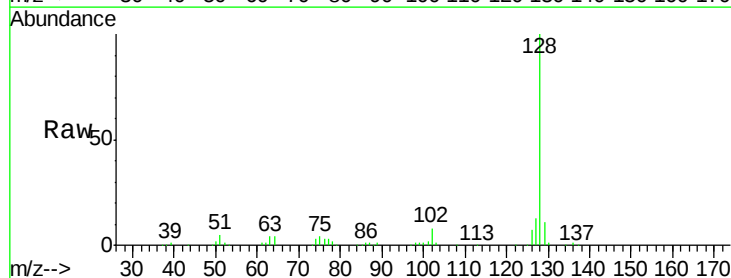


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

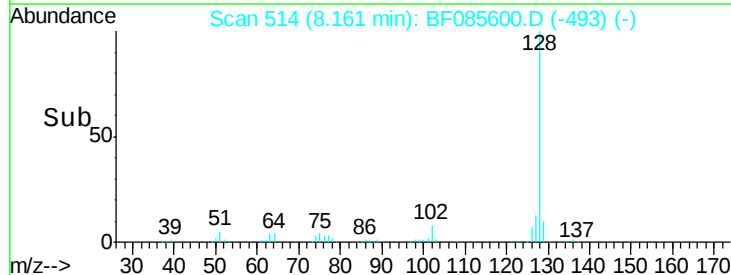
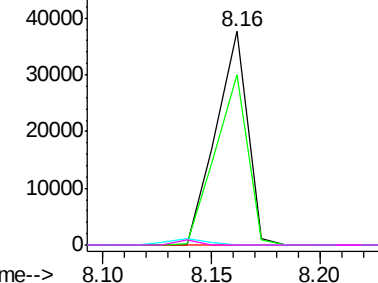


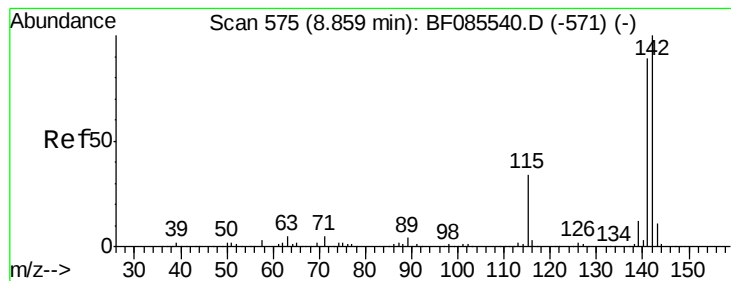
#33
4-Chloroaniline
Concen: 2.81 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.06 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

Tgt Ion:127 Resp: 38041
Ion Ratio Lower Upper
127 100
129 79.7 26.1 39.1#
65 0.0 19.5 29.3#
92 0.0 14.6 22.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 2.40 ng

RT: 8.85 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A

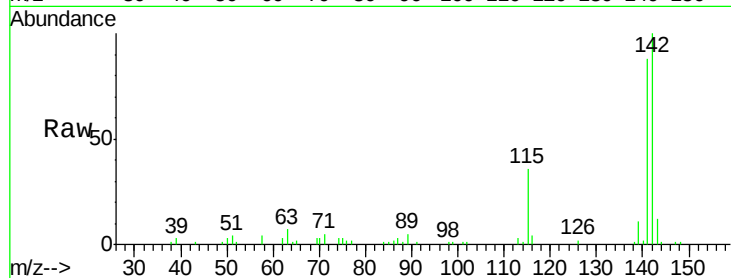
Tgt Ion:142 Resp: 48336

Ion Ratio Lower Upper

142 100

141 88.5 71.6 107.4

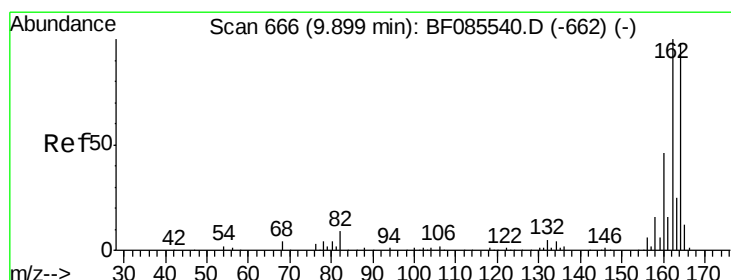
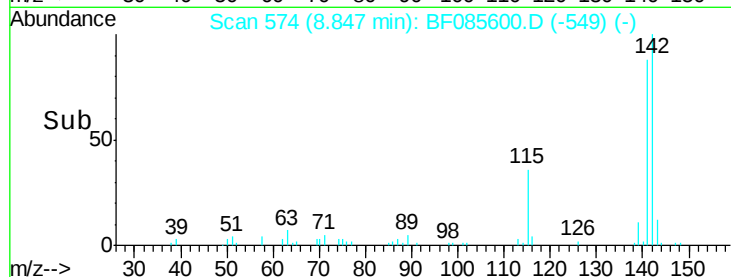
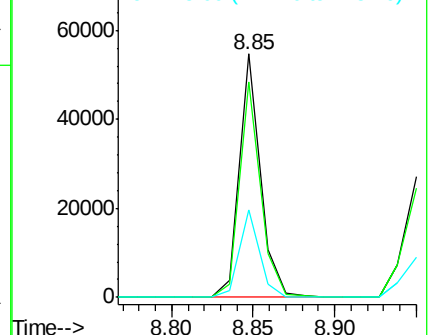
115 35.8 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

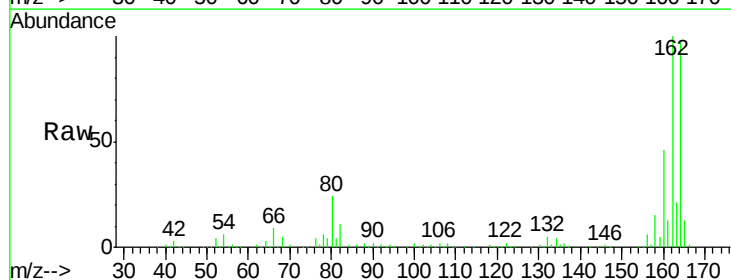
Tgt Ion:164 Resp: 276037

Ion Ratio Lower Upper

164 100

162 102.9 82.1 123.1

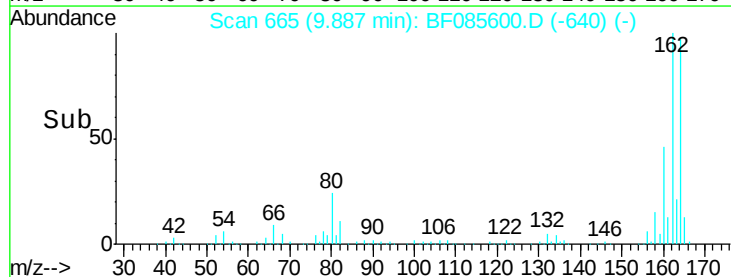
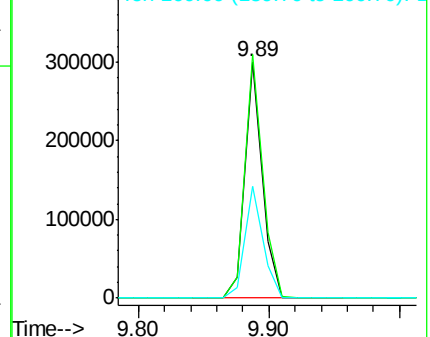
160 47.3 37.4 56.2

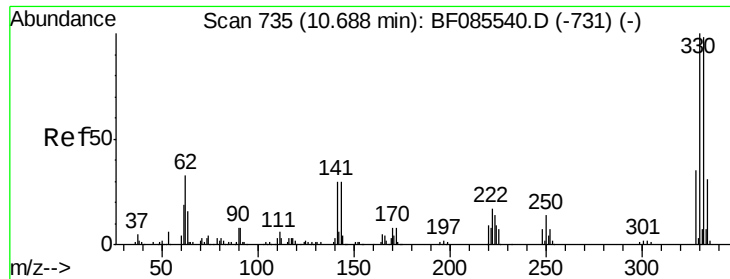


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

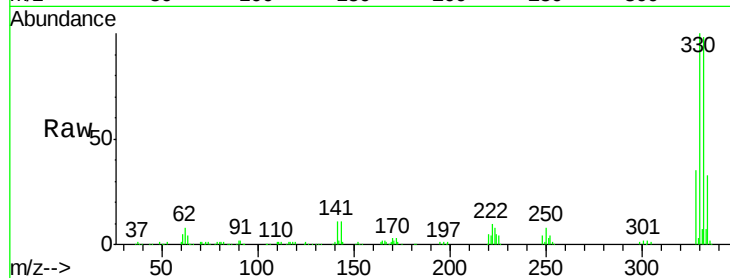




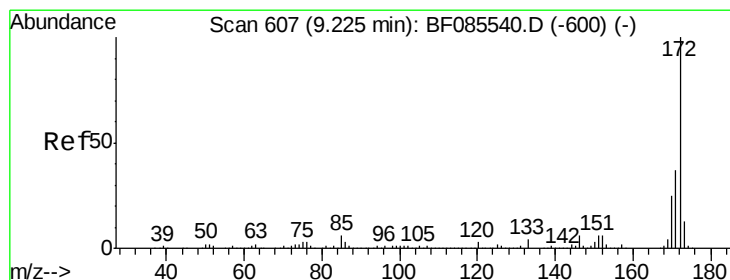
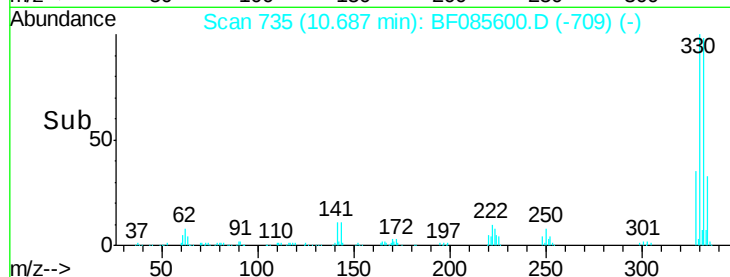
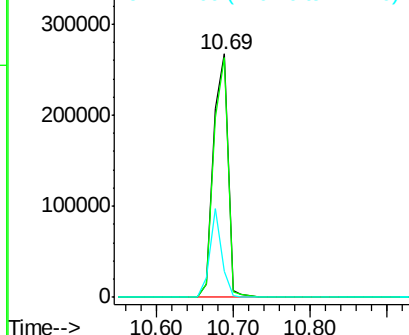
#41
 2,4,6-Tribromophenol
 Concen: 128.12 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: BF085600.D
 Acq: 20 Mar 2016 6:12

Instrument :
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Tgt Ion:330 Resp: 346441
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.2 117.2
 141 30.5 31.5 47.3#

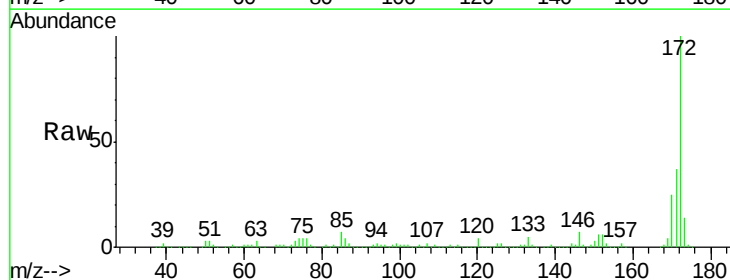


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

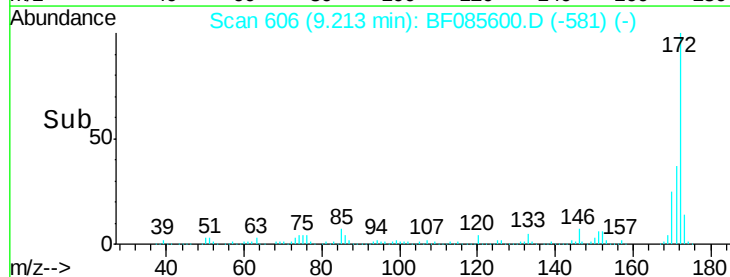
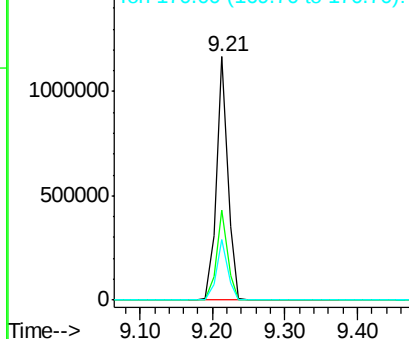


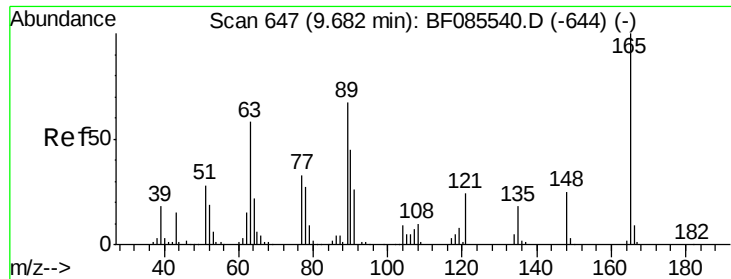
#44
 2-Fluorobiphenyl
 Concen: 76.90 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085600.D
 Acq: 20 Mar 2016 6:12

Tgt Ion:172 Resp: 1274580
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.2
 170 25.0 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

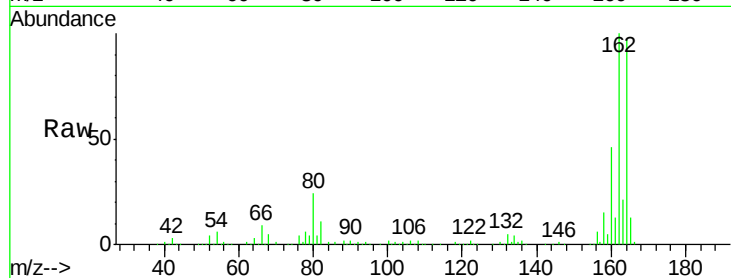




#50
2,6-Dinitrotoluene
Concen: 8.13 ng
RT: 9.89 min Scan# 665
Delta R.T. 0.21 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-7A

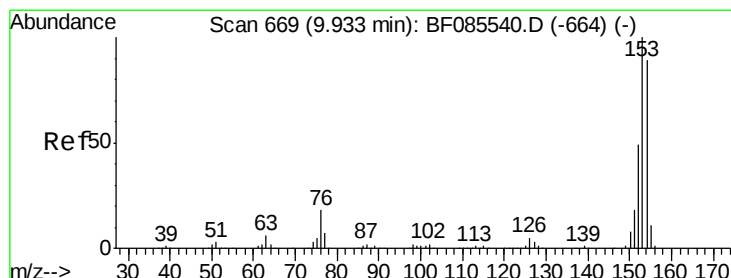
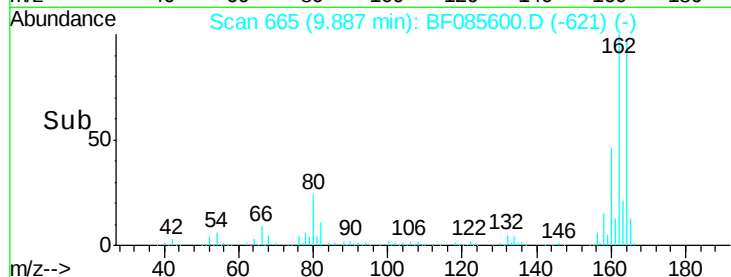
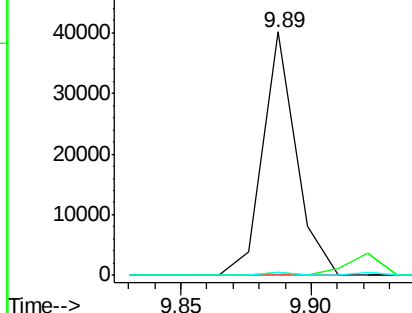
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	51.8	77.8#
89	1.4	53.7	80.5#



Abundance Ion 165.00 (164.70 to 165.70): E

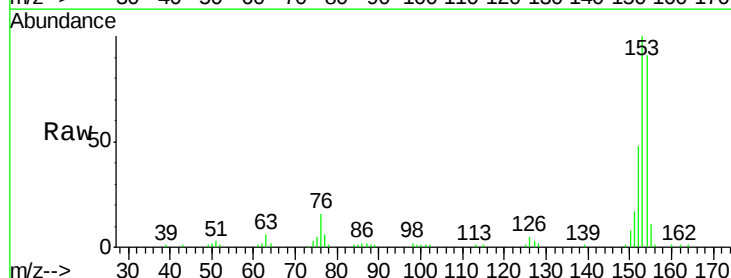
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
Acenaphthene
Concen: 2.69 ng
RT: 9.92 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

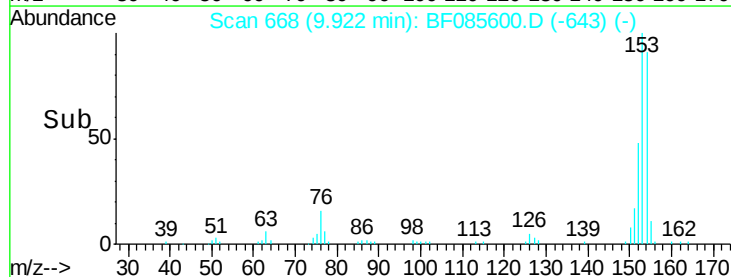
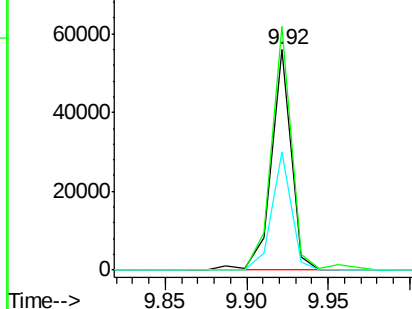
Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.1	135.1
152	53.4	44.2	66.2

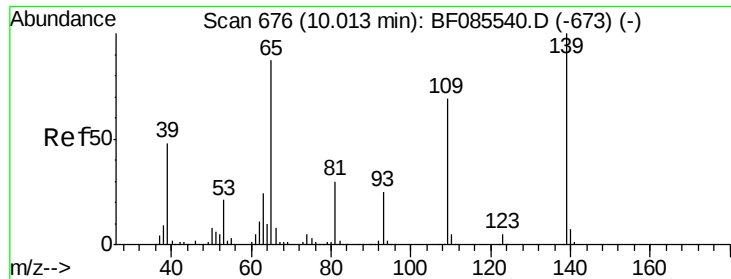


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

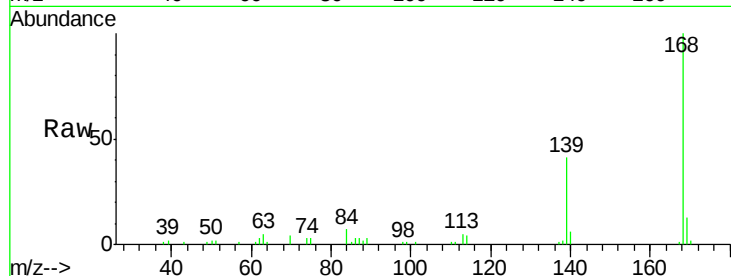




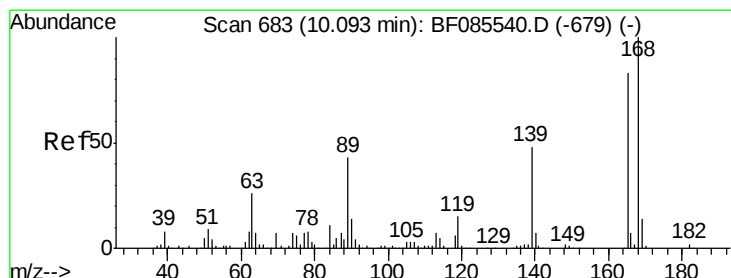
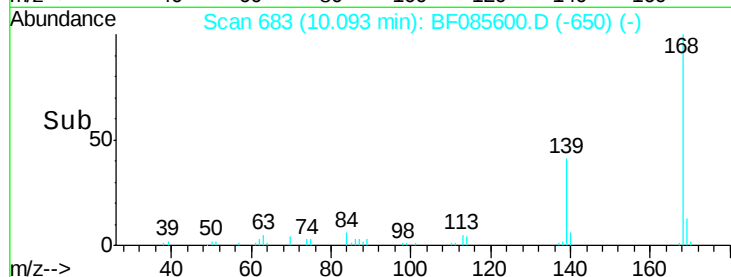
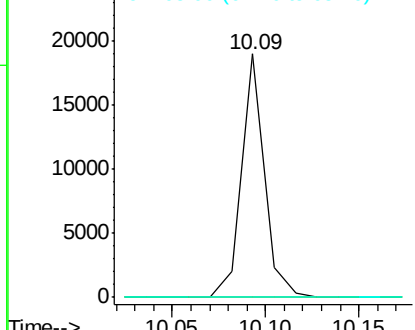
#55
4-Nitrophenol
Concen: 3.81 ng
RT: 10.09 min Scan# 683
Delta R.T. 0.08 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-7A

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	49.2	89.2#
65	0.0	66.9	106.9#

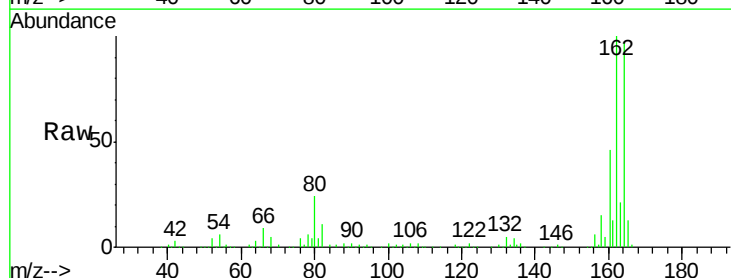


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

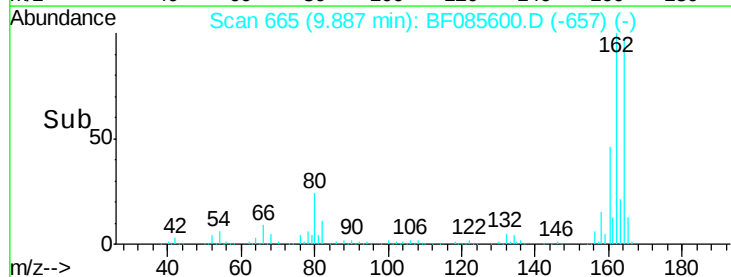
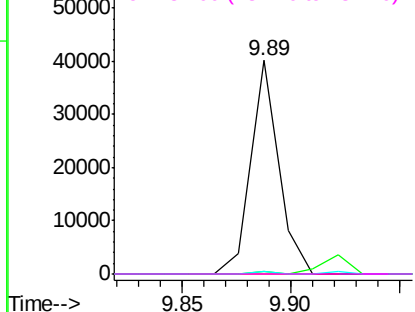


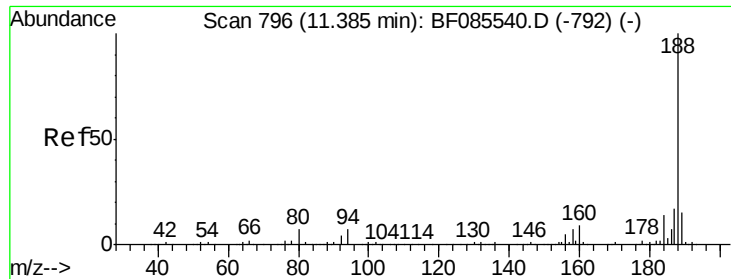
#56
2,4-Dinitrotoluene
Concen: 6.21 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.21 min
Lab File: BF085600.D
Acq: 20 Mar 2016 6:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	24.9	37.3#
89	1.4	41.0	61.6#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

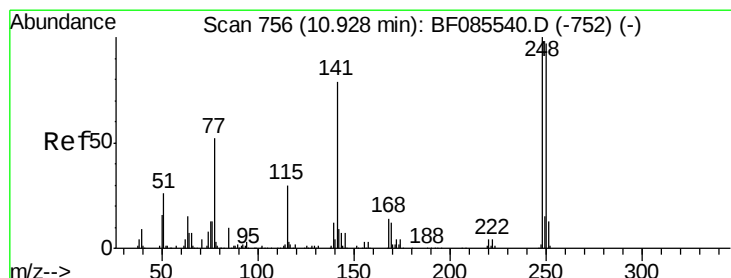
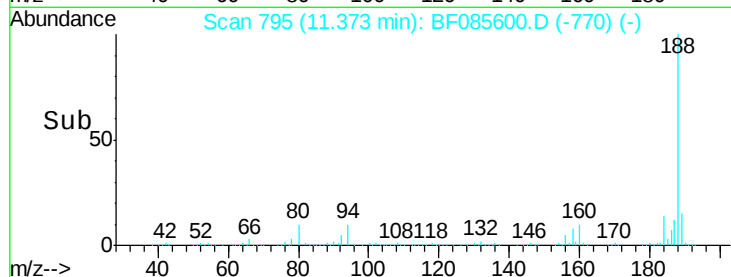
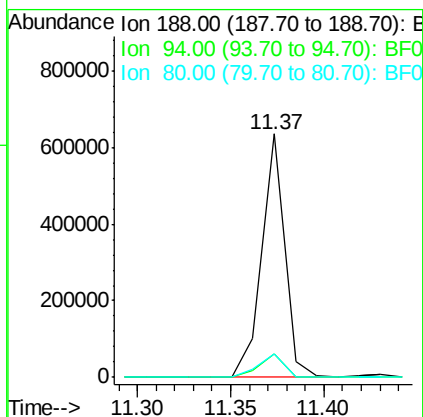
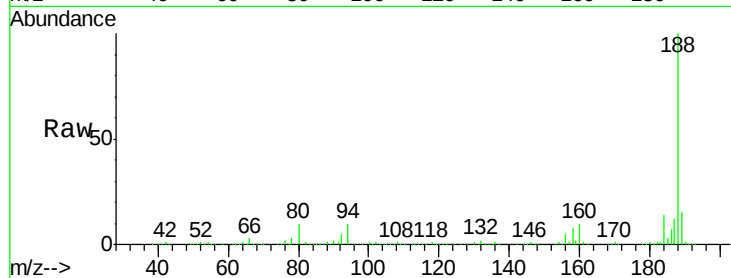




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF085600.D
 Acq: 20 Mar 2016 6:12

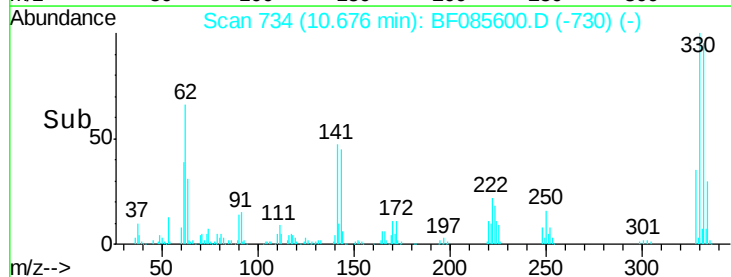
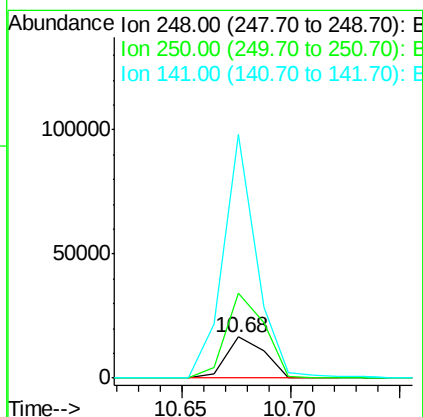
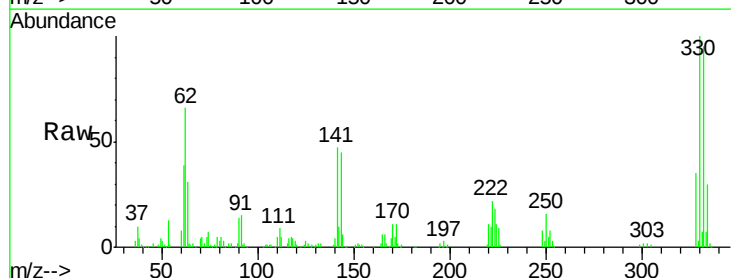
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-7A

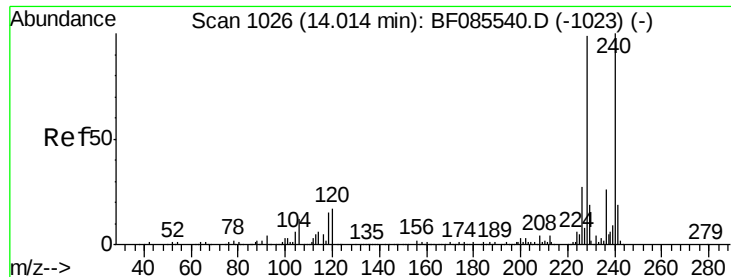
Tgt Ion:188 Resp: 538142
 Ion Ratio Lower Upper
 188 100
 94 9.5 5.4 8.0#
 80 9.9 5.5 8.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.81 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.25 min
 Lab File: BF085600.D
 Acq: 20 Mar 2016 6:12

Tgt Ion:248 Resp: 20506
 Ion Ratio Lower Upper
 248 100
 250 205.3 77.4 116.0#
 141 591.0 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A

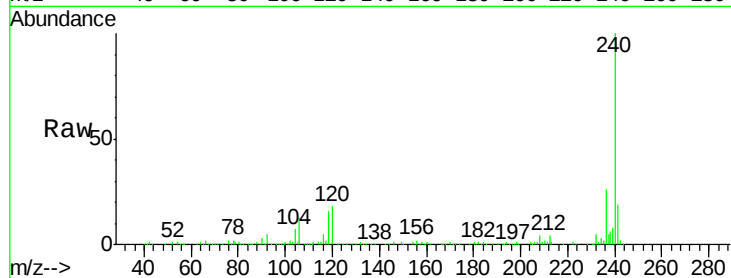
Tgt Ion:240 Resp: 335525

Ion Ratio Lower Upper

240 100

120 18.0 13.8 20.8

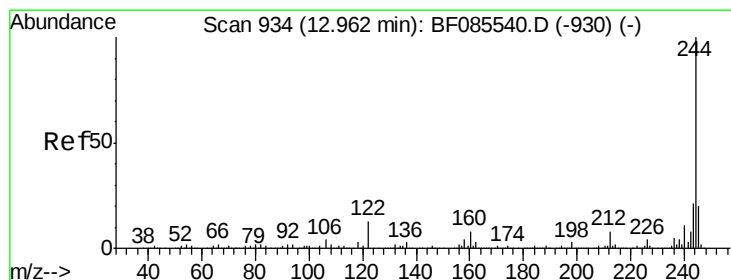
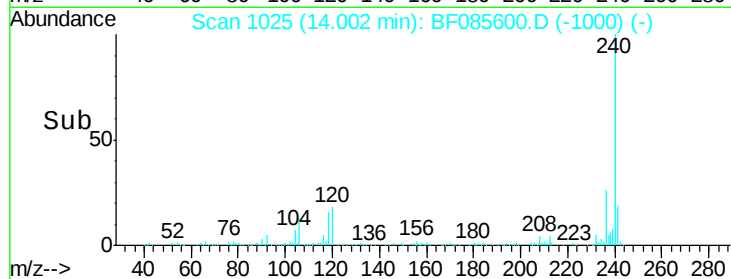
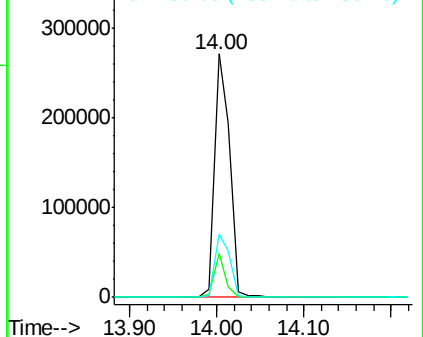
236 26.2 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 88.52 ng

RT: 12.96 min Scan# 934

Delta R.T. -0.00 min

Lab File: BF085600.D

Acq: 20 Mar 2016 6:12

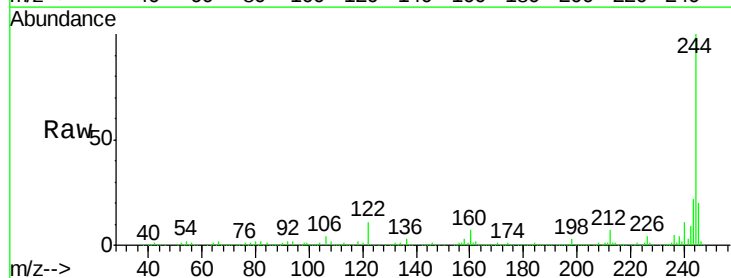
Tgt Ion:244 Resp: 1234318

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

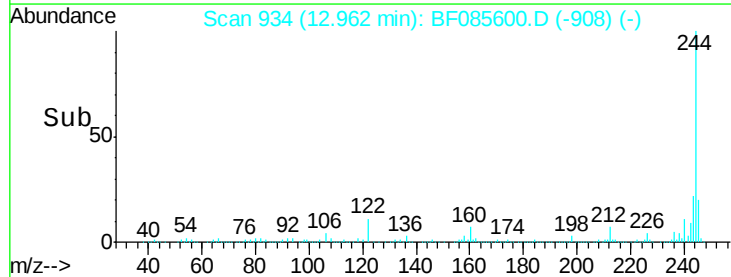
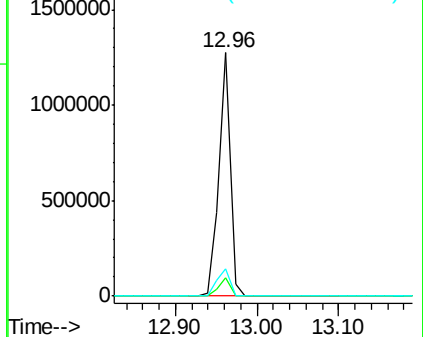
122 11.1 10.2 15.4

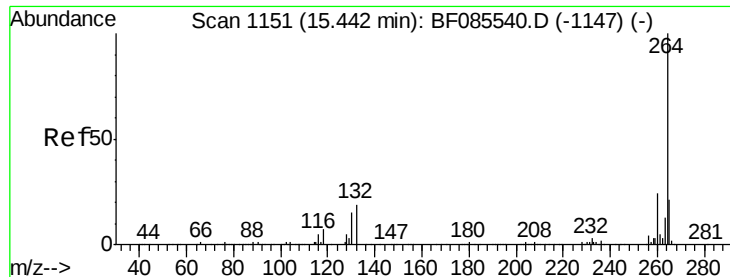


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF085600.D

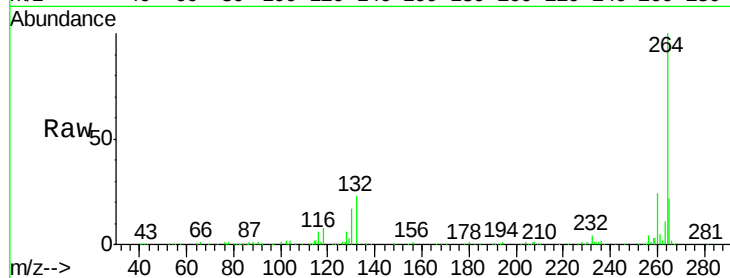
Acq: 20 Mar 2016 6:12

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-7A



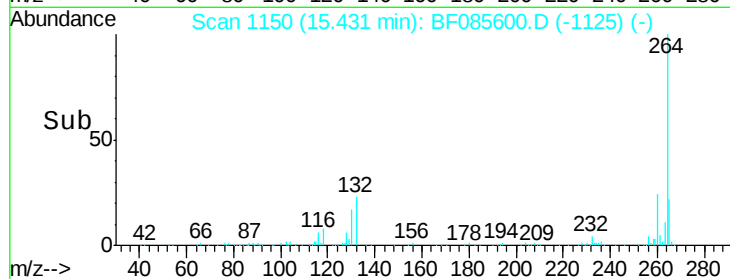
Tgt Ion:264 Resp: 297017

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->

15.30 15.40 15.50 15.60

15.43

200000

150000

100000

50000

0